

PIPE DIAM.	MIN. TRENCH WIDTH
12"	30"
15"	34"
18"	39"
24"	48"

NOTES:

1. ALL BACKFILL SHALL BE PLACED AND COMPACTED IN 6" LIFTS
2. MEASURES SHOULD BE TAKEN TO PREVENT MIGRATION OF NATIVE FINES INTO BACKFILL MATERIAL, WHEN REQUIRED.
3. **FOUNDATION:** WHERE THE TRENCH BOTTOM IS UNSTABLE, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH SUITABLE MATERIAL AS SPECIFIED BY THE ENGINEER, AS AN ALTERNATIVE AND AT THE DISCRETION OF THE DESIGN ENGINEER, THE TRENCH BOTTOM MAY BE STABILIZED USING A GEOTEXTILE MATERIAL.
4. **BEDDING:** PIPE BEDDING FOR STORMWATER SEWER UTILITIES SHALL BE ¾" DIAMETER CRUSHED STONE.
5. **INITIAL BACKFILL:** SUITABLE MATERIAL SHALL BE ¾" DIAMETER CRUSHED STONE IN THE PIPE ZONE EXTENDING NOT LESS THAN 8" ABOVE CROWN OF PIPE. THE CONTRACTOR SHALL PROVIDE DOCUMENTATION FOR MATERIAL SPECIFICATION TO ENGINEER. MATERIAL SHALL BE INSTALLED AS REQUIRED IN ASTM D2321, LATEST EDITION.
6. **MINIMUM COVER:** COVER WILL VARY BASED ON PROFILE AND PLAN.

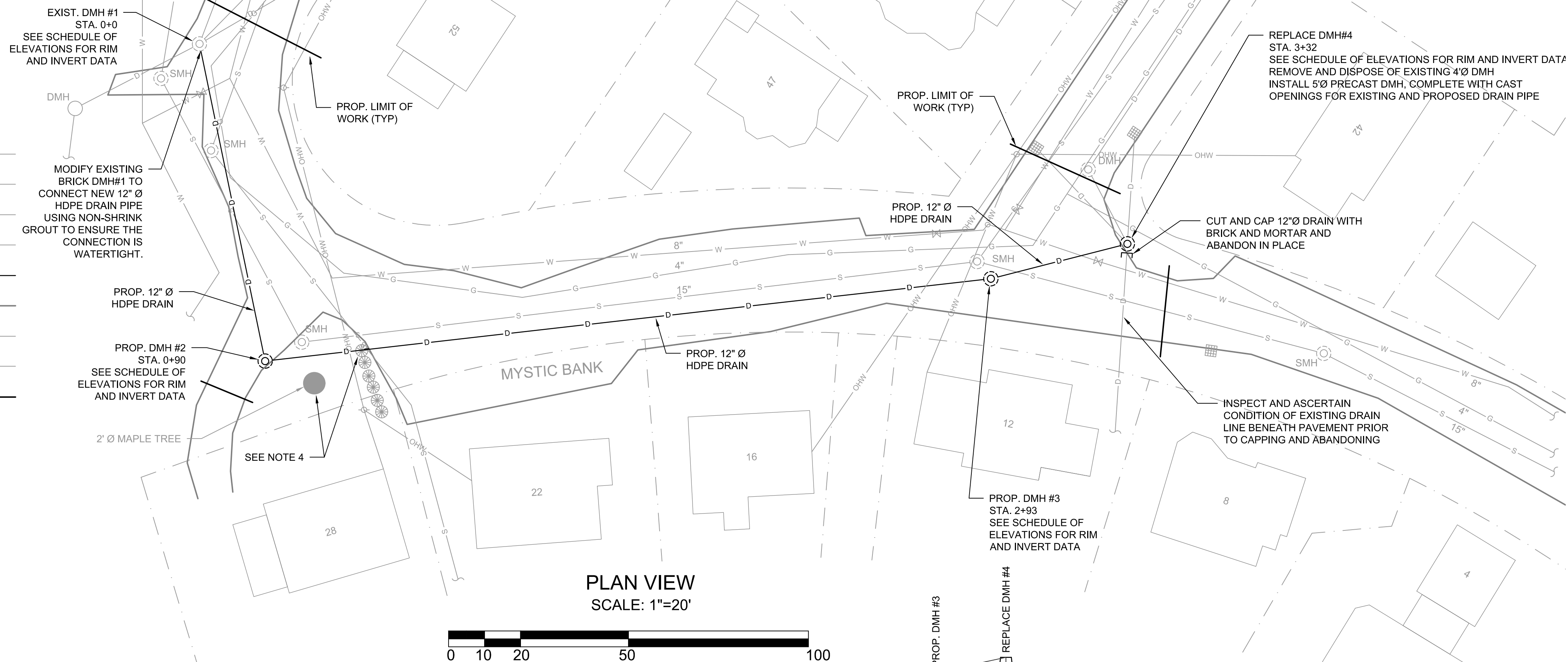
TYPICAL TRENCH DETAIL NOT TO SCALE

SCHEDULE OF DMH ELEVATIONS

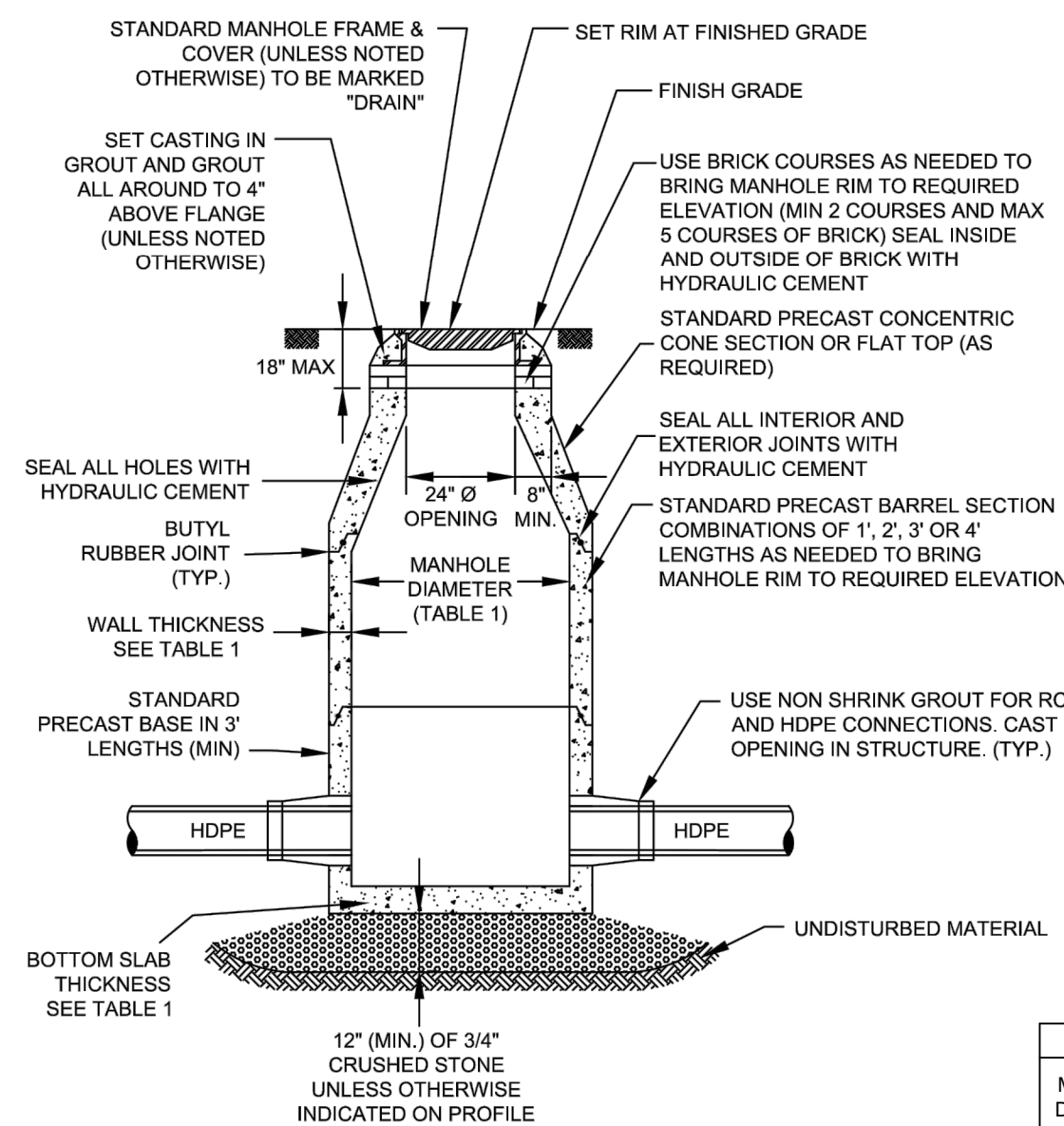
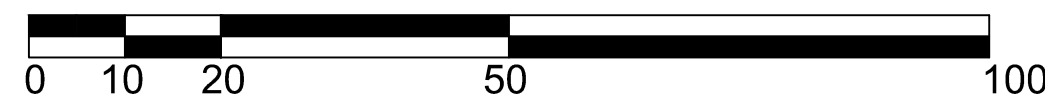
DMH	ELEV.	PIPE DIAM.	PIPE MAT.
DMH#1 (EXIST.)			
RIM	18.83		
INV IN	14.30	12"	HDPE
INV OUT	12.52	12"	CONC
DMH#2 (PROP.)			
RIM	19.92		
INV IN	16.40	12"	HDPE
INV OUT	16.30	12"	HDPE
DMH#3 (PROP.)			
RIM	33.89		
INV IN	25.10	12"	HDPE
INV OUT	25.00	12"	HDPE
DMH#4 (REPLACE)			
RIM	35.20		
INV IN	30.69	12"	CONC
INV OUT	28.25	12"	HDPE

LEGEND

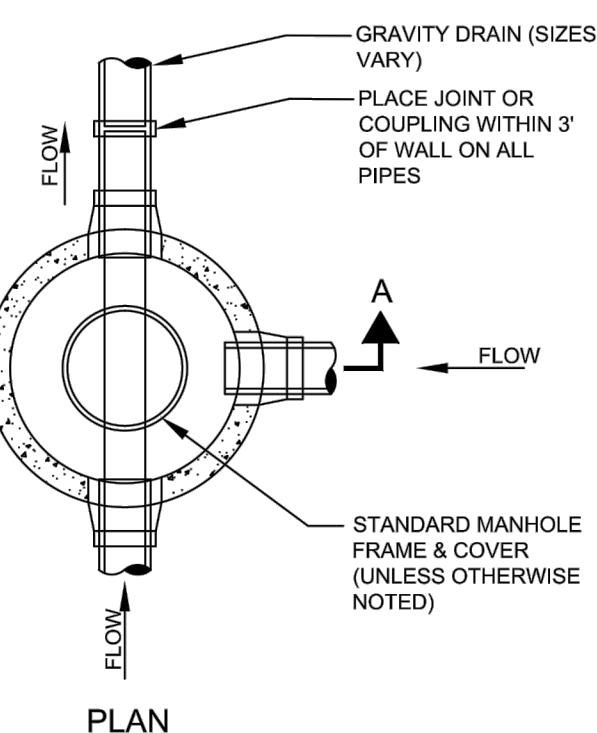
EXISTING GAS	— G —
EXISTING WATER	— W —
EXISTING SEWER	— S —
EXISTING DRAIN	— D —
PROPOSED DRAIN	— D —
EDGE OF PAVEMENT	— —
PROPERTY LINE (APPROX.)	— — — —
OVERHEAD LINE	— OHW —
PROPOSED LIMIT OF WORK	— — — —
MANHOLE	⊙
GATE VALVE	⊗
UTILITY POLE	⊙
CATCH BASIN	⊙
SHRUB	⊙
HYDRANT	⊙



PLAN VIEW SCALE: 1"=20'

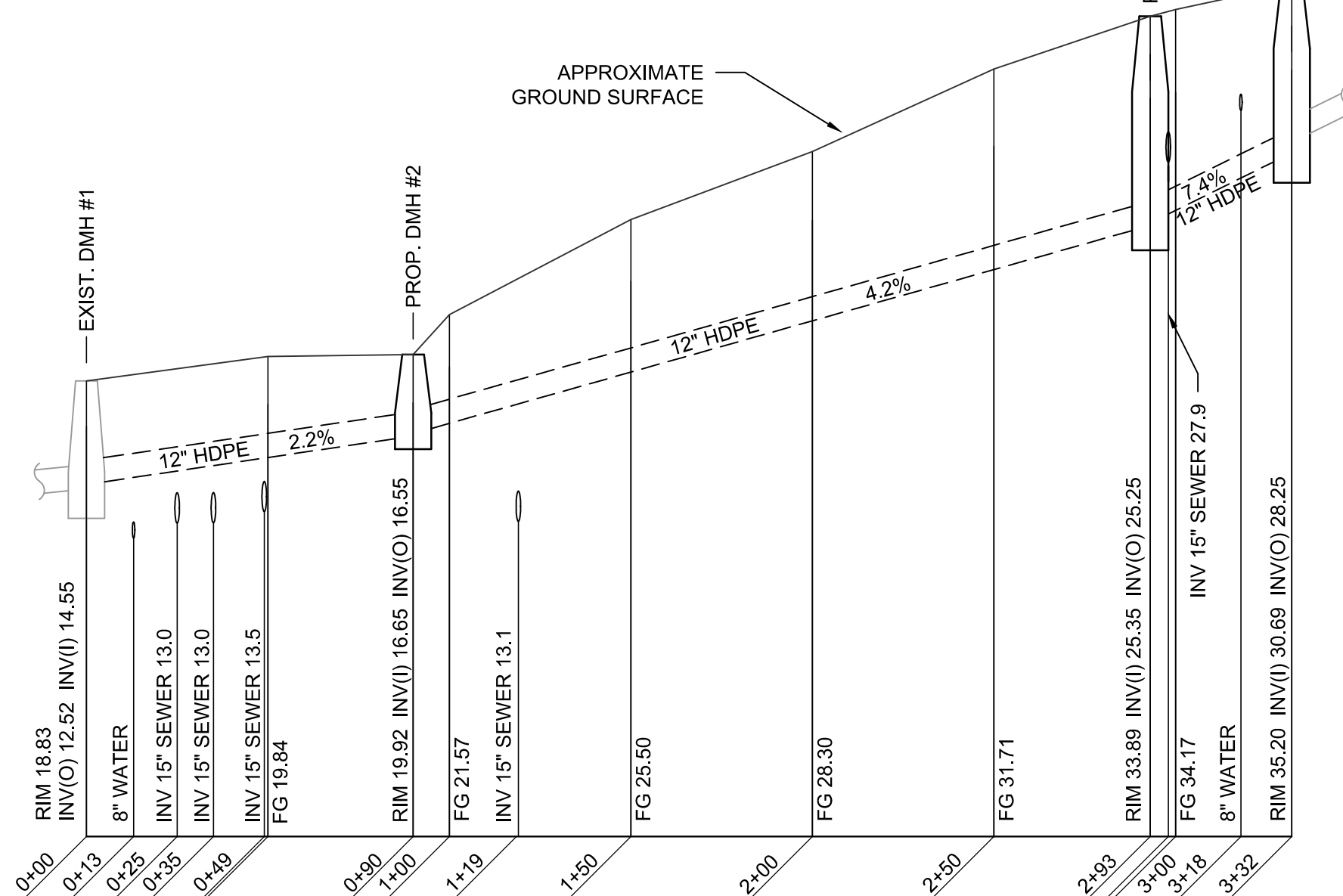


DRAIN MANHOLE DETAIL NOT TO SCALE

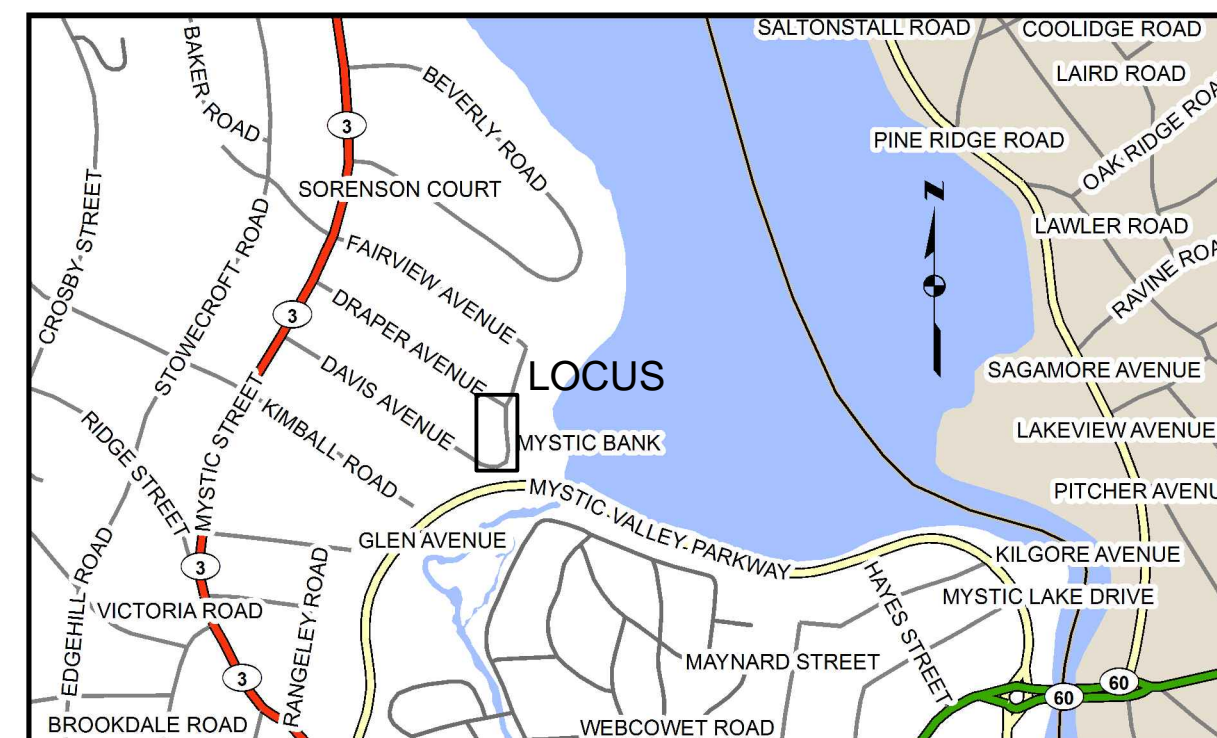


MANHOLE DIAMETER	SIDE WALL MIN. THICKNESS	BOTTOM SLAB MIN. THICKNESS	MAX PIPE DIAMETER* PVC	DMH SCHEDULE
4'	5"	6"	30"	DMH#2, DMH#3
5'	6"	8"	42"	DMH#4

* MAY VARY DEPENDING ON SIZE AND LOCATION OF ADDITIONAL PENETRATIONS OR RELATIONSHIP OF PENETRATIONS IN MANHOLE



PROFILE VIEW HORIZONTAL SCALE: 1"=40' VERTICAL SCALE: 1"=6'



LOCUS MAP

GENERAL NOTES

1. THIS PLAN WAS DEVELOPED BASED ON SITE INSPECTION DATA FROM FIELD SURVEY, EXISTING SITE PLANS, AND UTILITY PLANS.
2. LOCATION AND DEPTH OF SUBSURFACE UTILITIES ARE APPROXIMATE AND FOR INFORMATIONAL PURPOSES ONLY. WATER MAIN IS ASSUMED TO BE 4-FEET BELOW GRADE UNLESS OTHERWISE NOTED. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL NOTIFY DIG SAFE AND THE TOWN OF ARLINGTON FOR PROPER MARK OUTS 72 HOURS PRIOR TO WORK. NOTE THAT THE TOWN OF ARLINGTON IS NOT PART OF DIG SAFE AND CAN BE REACHED AT 781-316-3301.
4. LANDSCAPED AREAS DISRUPTED BY THE PROJECT MUST BE RETURNED TO PRE-EXISTING CONDITIONS, INCLUDING LOAM AND SEED OF GRASS AREAS AND REPLACEMENT OF SHRUBS REMOVED. EXISTING TREES SHALL BE PROVIDED WITH ADEQUATE PROTECTION FROM CONSTRUCTION ACTIVITIES.
5. ADEQUATE MEASURES SHALL BE TAKEN AS NEEDED TO PREVENT RUNOFF SEDIMENT AND DEBRIS FROM THE SITE COLLECTING ON THE SIDEWALK, ROADWAY, OR ABUTTING PROPERTIES DURING CONSTRUCTION ACTIVITIES. SUCH MEASURES MAY INCLUDE, BUT ARE NOT LIMITED TO, ADDITIONAL SILT FENCING/HAYBALES AND SWEEPING. REMOVE ALL SEDIMENT OR PRODUCTS OF EROSION FROM THE RIGHT OF WAY.

Town of
ARLINGTON
Engineering Division
51 Grove Street
Arlington, MA 02476

MYSTIC BANK PROPOSED DRAIN LINE

Project: MYSTIC BANK DRAIN	Sheet:
Drawn By: JJS	1 of 1
Scale: VARIOUS	
Date: 1/5/17	